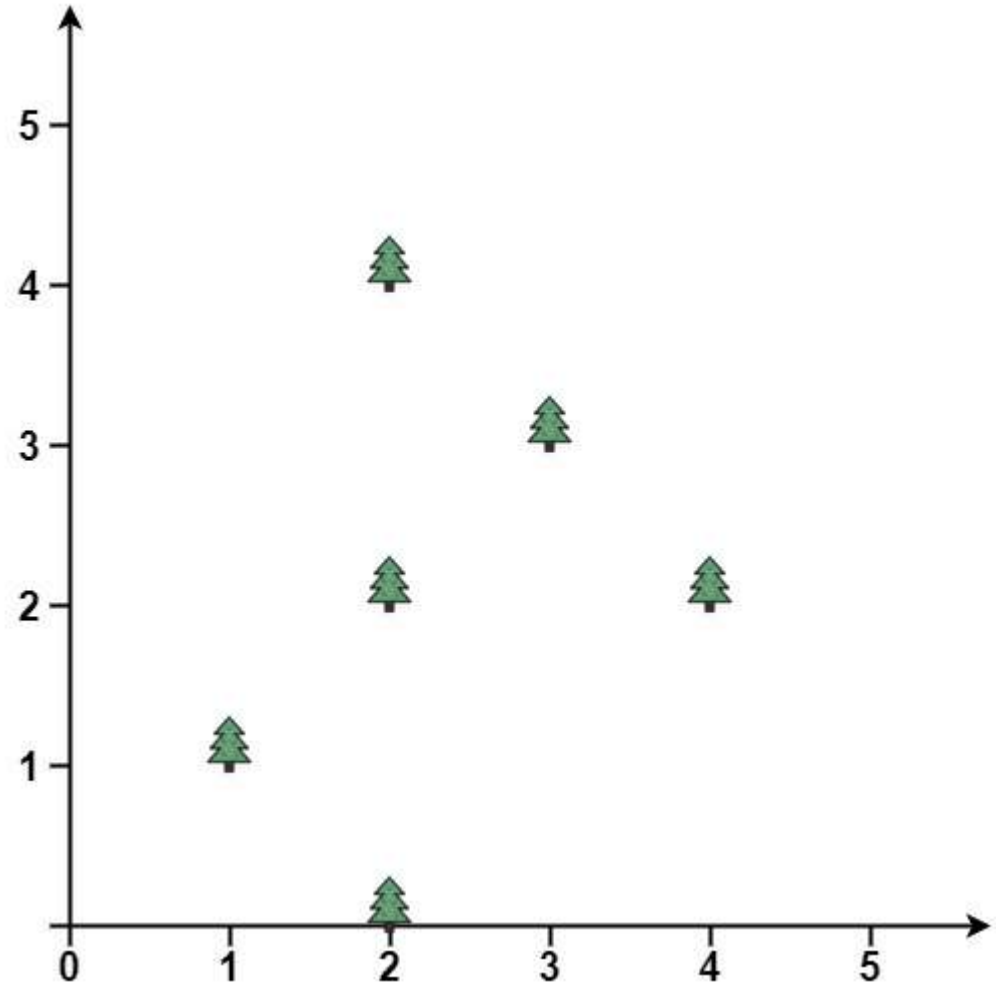
Erect the Fence (View)

You are given an array `trees` where `trees[i] = [xᵢ, yᵢ]` represents the location of a tree in the garden.

You are asked to fence the entire garden using the minimum length of rope as it is expensive. The garden is well fenced only if **all the trees are enclosed**.

Return *the coordinates of trees that are exactly located on the fence perimeter*.

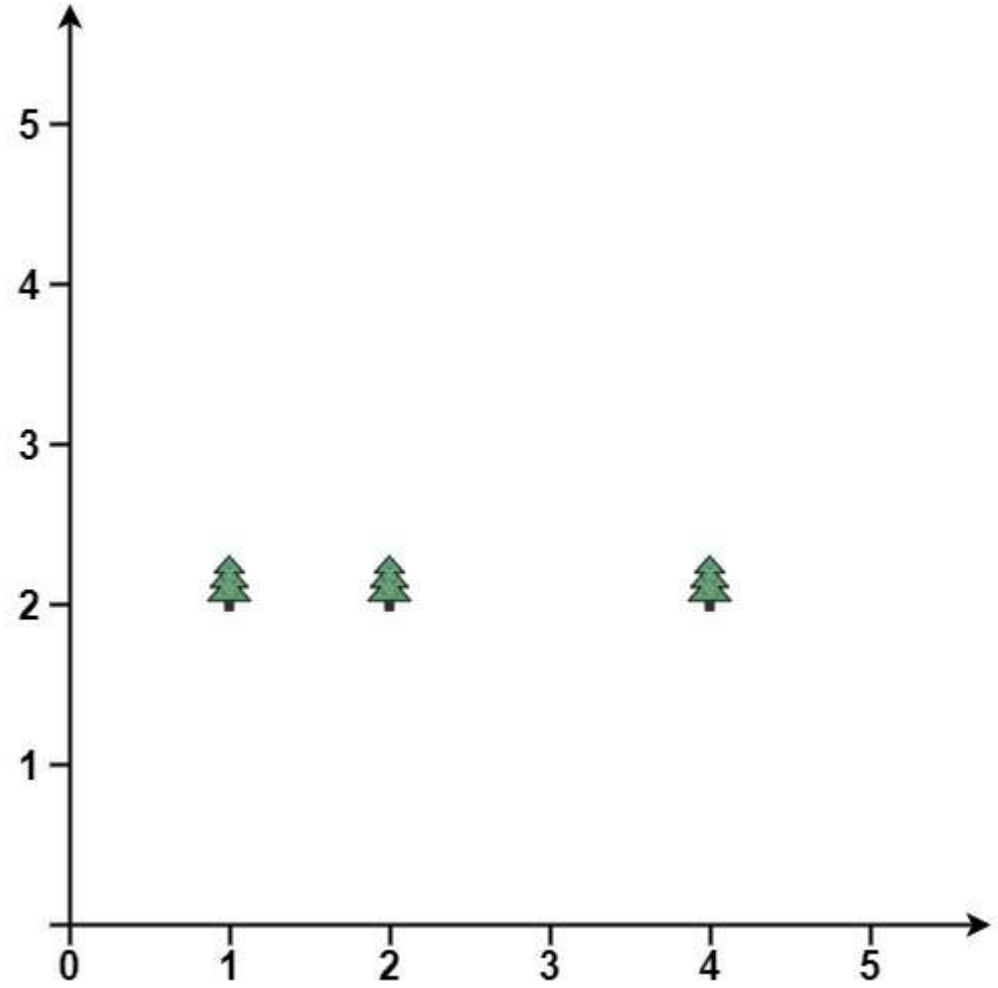
Example 1:




```
Input: points = [[1,1],[2,2],[2,0],[2,4],[3,3],[4,2]]

Output: [[1,1],[2,0],[3,3],[2,4],[4,2]]
```

Example 2:




```
Input: points = [[1,2],[2,2],[4,2]]

Output: [[4,2],[2,2],[1,2]]
```

Constraints:

- `1 <= points.length <= 3000`
- `points[i].length == 2`
- `0 <= x_i, y_i <= 100`
- All the given points are **unique**.